

**Abstract**

Multi-channel metering apparatus with automatic calibration, where the individual dispensing channels 1, the micro-valves 4 of which are connected with the outlets of a distributor 8, 13 or 15 whose inlet is filled with fluid by a vessel 9, 14 or 17 thus connected, are able to be calibrated in relation to each other in that between the vessel 9, 14 or 17 and the inlet of the distributor 8, 13 or 15 a flow sensor 10 is arranged which for calibration during delivery of the fluid via a respective nozzle 2 of a respective dispensing channel 1 records the flow and generates signals which are respectively assigned to a defined opening time of a micro-valve 4 and a specific dispensing channel 1 and thus stored allows for individual control of the micro-valves 4 in order to equalize the tolerances of the dispensing channels 1.

3089549